

## Message Text

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ACTION OES-07

INFO OCT-01 EA-10 ISO-00 CIAE-00 DODE-00 INR-10  
NSAE-00 PA-01 ICA-11 SP-02 PM-05 ACDA-12 IO-13  
L-03 NSC-05 EB-08 NRC-05 SOE-02 SS-15 CEQ-01  
/111 W

-----072801 050220Z /73

R 050207Z JUN 78  
FM AMEMBASSY TOKYO  
TO SECSTATE WASHDC 8454  
INFO DOE WASHDC  
DOE GERMANTOWN MD

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FOR OES/NET

DEPT. PASS WHITE HOUSE OSTP FOR PRESS AND HUBERMAN

E.O. 11652: N/A  
TAGS: TECH, ENRG, JA  
SUBJECT: U.S.-JAPAN S&T COOPERATION: NUCLEAR FUSION

1. DR. CHIHIRO OKAWA, VP, GENERAL ATOMIC COMPANY, HAS BEEN IN JAPAN DISCUSSING INCREASED COOPERATION BETWEEN GA AND JAPAN ATOMIC ENERGY RESEARCH INSTITUTE (JAERI) ON DOUBLET 3 PROJECT. OKAWA HAS MET WITH BOTH SCICOUNS AND DOE REP AND APPEARS CONFIDENT THAT JAERI, JAEC, AND ULTIMATELY GOJ WILL PROPOSE THAT COOPERATION IN THIS SPECIFIC PROJECT BE PART OF FUKUDA INITIATIVE.

2. HIS SOURCES INDICATED TO HIM THAT JAPANESE MAY BE INTERESTED IN BOTH "JOINT FUND" AND "JOINT FUNDING". LATTER WOULD BE HIS PREFERENCE FOR DOUBLET 3. HE HAS ASKED JAERI TO CONSIDER MAKING INVESTMENT OF ABOUT \$30 MILLION IN PROJECT TO EXPAND POWER SUPPLY AND  
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HEATING EQUIPMENT SO THAT MACHINE COULD OPERATE ON TWO-SHIFT BASIS. IN THIS APPROACH, JAPANESE SCIENTISTS WOULD HAVE ACCESS TO MACHINE ON ONE SHIFT TO CONDUCT EXPERIMENTS OF THEIR OWN CHOOSING, AND AMERICANS WOULD USE SECOND SHIFT IN SAME MANNER. CONCEPT IS BASED ON PREMISE THAT USG HAS INVESTED ABOUT \$30 MILLION IN PROJECT AND EQUAL GOJ INVESTMENT WOULD PROVIDE EQUAL

RIGHTS OF ACCESS. JAERI IS SAID TO BE VERY INTERESTED, BUT ONLY IF GOJ PROVIDES FUNDS WHICH ARE INCREMENTAL TO ESTABLISHED GOJ FUSION BUDGET. IF MONEY HAS TO BE REPROGRAMMED FROM FUSION BUDGET, INTEREST DROPS TO ESSENTIALLY ZERO.

3. OKAWA TOLD SCICOUNS THAT SCIENCE AND TECHNOLOGY AGENCY IS WAITING TO RECEIVE DRAFT FUSION AGREEMENT EVOLVING FROM KINTNER VISIT HERE LAST YEAR. DRAFT WAS PROMISED BY END OF MAY, APPARENTLY. OKAWA KNOWS THAT USG FUSION PROGRAM IS UNDER REVIEW AND THAT DRAFT HAS BEEN DELAYED ACCORDINGLY, BUT AS FAR AS EMBASSY CAN TELL, THIS IS NOT KNOWN TO GOJ.

4. VISIT OF OKAWA TO JAPAN HAS RECEIVED WIDE PUBLICITY IN JAPANESE PRESS. ARTICLES MENTION THAT LAWRENCE LIVERMORE IS TRYING TO ESTABLISH FUSION COOPERATION WITH COUNTERPARTS AT TSUKUBA UNIVERSITY AND NAGOYA UNIVERSITY, IN ADDITION TO DETAILED ACCOUNTS OF PROPOSED DOUBLET 3 COOPERATION.

5. ON GENERAL SUBJECT OF INCREASED ENERGY R&D COOPERATION, NEWSPAPERS ALSO HAVE RATHER STRANGE ACCOUNT OF REPORT MADE BY FONMIN SONODA TO PRIMIN FUKUDA ON FORMER'S PLANS TO PROMOTE U.S.-JAPAN COOPERATION IN DEVELOPMENT OF ALTERNATIVE ENERGY SOURCES. FUKUDA WAS LIMITED OFFICIAL USE

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SAID TO HAVE AGREED TO PLAN. EMBASSY'S INFO FROM FOREIGN MINISTRY IS THAT INTERAGENCY DISCUSSIONS ON HOW TO PROCEED TO IMPLEMENT FUKUDA INITIATIVE HAVE NOT YET TAKEN PLACE.

6. KYODO INTERNATIONAL NEWS WIRE SERVICE HAS CARRIED STORIES ON BOTH OKAWA AND FUKUDA-SONODA REPORTS, ON JUNE 1 AND JUNE 2 RESPECTIVELY. MANSFIELD

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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** SCIENTIFIC COOPERATION, NUCLEAR ENERGY, TECHNOLOGICAL EXCHANGES  
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**Copy:** SINGLE  
**Draft Date:** 05 jun 1978  
**Decaption Date:** 01 jan 1960  
**Decaption Note:**  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 20 Mar 2014  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
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**Executive Order:** N/A  
**Errors:** N/A  
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**Original Handling Restrictions:** n/a  
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**TAGS:** TECH, ENRG, JA, US  
**To:** STATE  
**Type:** TE  
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**Review Markings:**  
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